

DILSHAN T MADUSANKA

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Passionate software engineering undergraduate with strong skills in full-stack development, problem-solving, and creating user-focused digital solutions. Experienced in building real-world applications, contributing to open-source projects, and continuously learning modern technologies to enhance code quality, system performance, and overall user experience.

EDUCATION

Bachelor of Software Engineering (BSEHons) | The Open University of Sri Lanka

2023 – Present

Certificate in Full Stack Web Development | University of Moratuwa

Issued Jan 2023

PROJECTS

Quantifypro - Invoice & Quotation Management System

Full Stack Developer 2025

- Built a secure and automated web application for NeoMac Engineering, a construction company, to manage 1000+ invoices and quotations efficiently
- Developed using **Next.js**, **Tailwind CSS**, **TypeScript**, **Node.js**, **Express.js**, and **Firebase**, improving workflow efficiency by 85%.
- implemented role-based authentication and authorization for Admin and User roles, ensuring 100% data security and access control.

BGRemove - Image Background Remover App

Full Stack Developer 2025

- Implemented a **responsive Next.js frontend** with **TypeScript** and **Tailwind CSS** for seamless user experience
- Developed a **FastAPI backend in Python** utilizing the **rembg library** for AI-powered background removal
- Enabled **real-time image upload** and **preview functionality** for original and processed images
- Deployed the application on **Railway** for scalable, cloud-based hosting and fast performance

SKILLS

- | | |
|----------------|------------|
| • Reactjs | • Firebase |
| • SQL | • Java |
| • Expressjs | • Python |
| • Figma | • Nodejs |
| • React Native | • Adobe XD |
| • Postman | • GitHub |
| • Rest API | • Docker |

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